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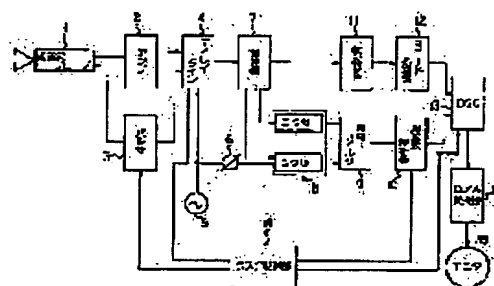(22)Date of filing :   31.08.1995

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(54) ULTRASONIC DIAGNOSTIC SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To eliminate invalid data between frames and to provide a high frame rate by performing control for combining the last data of frame defined as invalid before and the first data of the next frame and defining them as the scanning data of the raster of the next frame in an alternate scanning system.

SOLUTION: In this ultrasonic diagnostic system provided with an ultrasonic wave probe 1 for transmitting and receiving ultrasonic waves to/from a patient, a band-pass filter 9 for removing high frequency components and clutter components from doppler signals and outputting only blood flow signals and frequency analyzer 10 for obtaining a doppler shift frequency are provided. Also, a detection circuit 11 is provided and the tomographic images of the testee body are obtained in a B mode processing part 12 based on the output. In this case, a raster control part 16 is provided, and in the case of scanning a certain frame, is made to perform the control for scanning the raster from a (k)-th order as the first raster of the next frame when the (k)-th and succeeding rasters of the (n) pieces of the rasters for performing alternate scanning exceed an (m)-th raster.

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